Sl. No.	Year	Thermal (MW)	Hydro (MW)	Nuclear (MW)	Total (MW)
1.	2002-03	2223 (Actual)	635 (Actual)	—	2858
2.	2003-04	1437	3765	—	5202
3.	2004-05	4926	2751	—	7677
4.	2005-06	5764	1914	540	8218
5.	2006-07	11067	5328	760	17155
		25417	14393	1300	41110

Power plants during Tenth Plan

380. SHRI MATILAL SARKAR: Will the Minister of POWER be pleased to state:

(a) the names of the power plants to be completed during the Tenth Five Year Plan;

(b) the shortage of power at present and the position of power to be generated after the Tenth Plan;

(c) whether the power project at Manner Chak of Tripura will be completed by the Tenth Plan;

(d) the generating capacity of this project of Tripura; and

(e) the quantity of power generated State-wise till date in conventional, non-conventional and renewable sources of energy?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) A Statement-I showing the details of power plants to be completed during Tenth Five Year Plan is enclosed. (*See* below)

(b) The Power Supply Position in the country as on 30th June, 2003 and the projected position at the end of Tenth Five Year Plan is given as under:

	As on 30.06.2003	At the end of Tenth Plan
Energy Requirement (MU)	134926	719097
Energy Availability (MU)	124839	626266
Deficit (MU)	10087 (7.5%)	92476 (12.8%)
Peak Demand (MW)	77157	115705
Peak Met (MW)	68571	101527
Deficit (MW)	8586 (11.1%)	14178 (12.1%)

(c) and (d) The Monar Chak Power Project of Tripura is scheduled and expected to be completed in 10th Plan This project of 280 MW generating capacity has been accorded Techno-economic Clearance (TEC) by CEA on 25 04 2003

(e) The quantity of power generated from conventional sources (thermal, hydro and nuclear) state-wise during April to June 2003 is enclosed as Statement-II State-wise installed capacity from Non-conventional Energy Sources as on 31.03.2003 is at Statement-III.

Statement-I

Capacity addition during 10th Plan
Central Sector

Name of Project	Hydro	Thermal						
		Coal		Lignite	Gas	Liquid fuel	Overall Thermal	Overall Capacity addition (MW)
		Indigenous	Imported					
1	2	3	4	5	6	7	8	9
NTPC								
Simhadri (A P)	500						500	500
Talcher (Orissa)	2000						2000	2000
Rihand (U.P)	1000						1000	1000
Ramagundam (A.P)	500						500	500
Sipat-I (Chhatisgarh)	1320						1320	1320

1	2	3	4	5	6	7	8	9
Kahalgaon (Bihar)		660					660	660
Barh (Bihar)		660					660	660
Vindhyachal (M P)		500					500	500
Dadri (U P)		490					490	490
Unchahar (U P)		210					210	210
Sipat-II (Chhattisgarh)		660					660	660
N Karanpura (Jhark)		660					660	660
THDC								
Tehri HEP (Uttarachal)	1000							1000
Koteshwar (-do-)	400							400
Tehri PSP (-do-)	1000							1000
NHPC								
Dulhasti (J&K)	390							390
Chamera-II(H P)	300							300
Dhauliganga-1(Uttaranchal)	280							280
Teesta-V(Sikkim)	510							510
Indirasagar (JV) (M P)	1000							1000
Sewa-II(J&K)	120							120
Bav (Mah)	37							37
Purulia PSS (JV)(WB)	900							900
Omkareshwar (JV) (MP)	520							520
Teesta low dam-III, WB	132							132
Teesta low Dam-IV-WB							168	168
DVC								
Mejia-4, WB		210					210	210
Mejia-5, WB		250					250	250
Maithon (Jharkhand)		1000					1000	1000
Chandrapur (do)		500					500	500

1	2	3	4	5	6	7	8	9
NJPC								
Nathpa Jhakri (H.P)	1500							1500
Rampur (HP)	400							400
NEEPCO								
Kopili-II) Assam	25							25
Turial (Mizoram)	60							60
Tripura (Tripura)						500	500	500
M/o Coal-NLC								
NLC Extn.-I(TN)					420		420	420
NLC Extn -II(TN)					500		500	500
Barsingsar (Rajsthan)					250		250	250
Nuclear								
Tarapur, NPC, Mah.								1080
Kaiga, NPC, Karnataka								220
Overall Central Sector (inc. Nuclear)	**8742**	**11120**	**0**	**1170**	**500**	**0**	**12790**	**22832**
			State Sector					
Punjab								
Shahpurkandi (H)	168							168
GHTP-II(T)		500					500	500
Haryana								
Panipat U-7&8(T)		500					500	500
Himachal Pradesh								
Larji-I(H)	126							126
Kashang-I (H)	66							66
J&K								
Baghaliar (H)	450							450
Delhi								
Pragati (T)					225.78		225.78	225 78
Rajasthan								

1	2	3	4	5	6	7	8	9
Suratgarh-III (T)		250					250	250
Ramgarh-II (T)					75 32		75 32	75 32
Kota-TV (T)		195					195	195
Mathania (T)					140		140	140
Uttar Pradesh								
Parichha Extn. (T)		210					210	210
Anpara 'C' (1000) (T)		500					500	500
Uttaranchal								
B Maneri Bhali-II (H)	304							304
Chattisgarh								
Korba East Extn. (T)		420					420	420
Madhya Pradesh								
Bansagar-III (H)	20							20
Bansagar-II (H)	15							15
Bansagar-IV (H)	20							20
Marikheda (H)	40							40
Birsingpur Extn. (T)		500					500	500
Maharashtra								
Ghatghar PSS (H)	250							250
Parli Extn. (T)		250					250	250
Gujarat								
Sadar Sarovar (multi state) (H)	1450							1450
KLTPS Extn (T)				75			75	75
Dhuvaran Gas (T)					106.62		106 62	106.62
Akrimota (T)				250			250	250
Tamil Nadu								
Pykara Ultimate (H)	150							150
Bhavani Barrage (H) (I/II/III)	90							90
Perungalam (Valathur) Gas (T)					94		94	94

1	2	3	4	5	6	7	8	9
Kuttalam Gas (T)					100		100	100
Andhra Pradesh								
Srisailem LBH (H)	450							450
Jurala Priyadarshini (H)	78 2							78 2
Rayalseema-II (T)		420					420	420
Kerala								
Kuttiyadi augmentation (H)	100							100
Karnataka								
Almati Dam (H)	290							290
Raichur U-7 (T)		210					210	210
Bellary (T)		500					500	500
Orissa								
Balimela-II (H)	150							150
Jharkhand								
Tenughat Extn (T)		210					210	210
W. Bengal								
Bakreshwar U 4 & 5 (T)		420					420	420
Sagardighi-I		250					250	250
Assam								
Karbi Langpi (H)	100							100
C Lakwa W H (T)					38 (waste heat)		38	38
Mizoram								
Serlui B (H)	12							12
Bairabi HFO (T)						22 92	22 92	22 92
Bairabi (H)	80							80
Meghalaya								
Byrinhat (T)						24	24	24
B Myntdu (Leiska) (H)	84							84
Mendipathar (T)						24	24	24
Manipur								

1	2	3	4	5	6	7	8	9
Leimkhong DG						18	18	18
Tripura								
Baramura GT (T)					21		21	21
Rokhia GT (T)					21		21	21
Pondicherry								
Karaikal (T)					100		100	100
Island A&N								
Rangat Bay						5	5	5
Overall State Sector	**4481.2**	**5335**	**0**	**325**	**921.72**	**93.92**	**6675.64**	**11156.84**

Private Sector

Name of Project	Hydro	Thermal						
		Coal		Lignite	Gas	Liquid fuel	Overall Thermal	Overall Capacity addition (MW)
		Indigenous	Imported					
Punjab								
Goindwal Sahib (T)		500					500	500
Himachal Pradesh								
Baspa (H)	300							300
Dhamwari Sunda (H)	70							70
Uttaranchal								
Vishnu Prayag (H)	400							400
Madhya Pradesh								
Maheshwar (H)	400							400
Bina (T)		578					578	578
Gujarat								
Jamnagar (T)						500	500	500
Maharashtra								
Dabhol-II (T)						1444	1444	1444
Tamil Nadu								
Neyveli Zero (T)				250			250	250
Andhra Pradesh								

1	2	3	4	5	6	7	8	9
Pedapuram					78		78	78
Vemagiri-I (T)					370		370	370
Gowthami-I (T)					464		464	464
Ramagundam (T)		520					520	520
Jegrupadu Extn (T)					230		230	230
Konaseema (T)					445		445	445
Karnataka								
Hassan (T)					189		189	189
Kanirminke (T)					108		108	108
Bihar								
Binta (T)		135					135	135
Jharkhand								
Jojobera-II (T)		120					120	120
A & N Island								
Bamboo flat DG						20	20	20
Overall Private Sector	**1170**	**1853**	**0**	**250**	**1874**	**1964**	**5941**	**7121**

Statement-II

Power Generation from Conventional Sources in the country as on 30th June, 2003.

(In MUs)

State	Thermal	Nuclear	Hydro	Total
Delhi	2501	—	—	2501
J&K	14	—	2515	2529
HP	—	—	3407	3407
Haryana	2116	—	67	2183
Rajasthan	4057	1155	47	5259
Punjab	3091	—	2916	6007

State	Thermal	Nuclear	Hydro	Total
UP	17205	713	407	18325
Uttaranchal	—	—1063	1063	—
Gujarat	11172	966	104	12242
Maharashtra	15247	609	999	16855
MP	6340	—	98	6438
Chhattisgarh	5994	—	15	6009
Andhra Pradesh	13547	—	141	13668
Karnataka	3436	968	1691	6095
Kerala	1106	—	799	1905
Tamil Nadu	11254	366	350	11970
Pondicherry	69	—	—	69
Bihar	1380	—	—	1380
Jharkhand	1487	—	18	1505
Orissa	3908	—	875	4783
West Bengal	9237	—	165	9402
Sikkim	—	—	99	99
A&N Island	—	—	—	0
Assam	617	—	74	691
Meghalaya	—	—	112	112
Tripura	213	—	15	228
Manipur	—	—	61	61
Nagaland	—	—	—	0
Arunachal Pradesh	—	—	204	204
Mizoram	—	—	—	—
TOTAL:	113991	4777	16242	135010

Statement-II

State-wise total installed capacity from non-conventional energy sources as on 31st March, 2003 .

State/UT	Installed Capacity (MW)
J&K	102.2
HP	93.2
Haryana	52.3
Rajasthan	84.6
Punjab	130.4
UP	70.6
Uttaranchal	64 6
Gujarat	182.6
Maharashtra	634.0
MP	64.6
Chhattisgarh	12.0
Andhra Pradesh	411.3
Karnataka	423.6
Kerala	74.1
Tamil Nadu	1173 7
Bihar	44 9
Jharkhand	4.0
Orissa	8.4
West Bengal	93.4
Sikkim	35.6
A&N Island	5.3
Assam	2.0
Meghalaya	30.7
Tripura	16.0

State/UT	Installed Capacity (MW)
Manipur	5.4
Nagaland	20.5
Arunachal Pradesh	32.4
Mizoram	14 8
Lakshadweep	0.7
Total	3887.9

Targets for power generation during Tenth Plan

381. SHRI C.P. THIRUNAVUKKARASU: Will the Minister of POWER be pleased to state.

(a) the details of the power generation capacity targets fixed for different States for the Tenth Plan Period,

(b) whether Government have formulated any strategy to achieve the targets by States;

(c) if so, the details thereof;

(d) whether the matter has been discussed at the recently held State Power Ministers' meet at New Delhi;

(e) if so, the view of States on achieving the target; and

(f) the reaction of Government thereto?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) A target of 11156 85 MW has been set for State Sector for capacity addition during 10th Plan. The State-wise details are given in the statement enclosed (*see* below)

(b) and (c) In order to ensure that the targeted capacity during 10th Plan is achieved, the monitoring mechanism has been strengthened. The Central Electricity Authority has a nodal officer for each project, both at the conception stage as well as during execution. In addition, regular review meetings are being organized in the Ministry of Power. The Ministry is also facilitating States in obtaining earlier clearances,